Research Paper Grading Rubric Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- | --- |
| Sections | Excellent | Good | Reasonable | Fair | Needs Improvement | Score |
| Title/Authors/  References (5 points) | Present. 3 items formatted correctly | Present. 2 items formatted correctly | Present. 1 item formatted correctly. | Present. | Missing one or more items. |  |
| Abstract (15 points) | The abstract gives the reader a very clear picture of the purpose, hypothesis, general procedures, results and conclusions in less than 200 words. | The purpose, hypothesis, general procedures, results and conclusions are stated in less than 200 words, but one area lacks clarity | All elements are stated but there is a lack of clarity in more than one area. | The abstract does gives the reader an adequate idea of what will be read, but there is one or more missing element. | The abstract does not give the reader an adequate idea of what will be read. |  |
| Introduction (8 points) | The purpose and hypothesis are written correctly and specifically related to the project. There is a clear description of the hazards and disposal procedures associated with the project. | The purpose and hypothesis are written correctly and are somewhat related to the project. There is a clear description of the hazards and disposal procedures associated with the project. | The purpose and hypothesis are written correctly and but are not specifically related to the project. There may be issues with the description of the hazards and disposal procedures associated with the project. | The purpose and hypothesis are not clearly stated. There may be issues with the description of the hazards and disposal procedures associated with the project. | The purpose and hypothesis are not clearly stated. There are issues with the description of the hazards and disposal procedures associated with the project. |  |
| Experimental Section (10 points) | The procedure was clearly stated in paragraph such that it could be repeated. Descriptive observations were reported for the reaction on the flow chart. | The section had good detail, but could be improved. Descriptive observations were recorded on the flow chart. | The section was not detail enough so that someone could easily repeat the experiment. Descriptive observations were recorded on the flow chart. | The procedure was unclear and/or the observations were inadequate | There was minimal attempt made to make a clear procedure and/or to make/record observations adequately. |  |
| Results (12 points) | A correctly formatted data table is present along with relevant, accurate calculations labeled by trial #. | A correctly formatted data table is present. There is one mislabeled calculation or calculation error. | Data table is formatted correctly. All calculations are present but may contain more than one error. | Data table is not formatted correctly. There is data or calculations missing. | Data table is not formatted correctly, calculations are missing or not labeled by trial, and there are errors in the calculations. |  |
| Discussion (20 points) | There is a discussion of error that presents feasible sources pertaining specifically to the observed results. | Feasible sources of error are identified, but there is little attempt to explain how they affected the results. | Some feasible sources of error are identified but not all are resolved and/or they do not all specifically pertain to the observed results. | Sources of error are not feasible and they do not pertain to the observed results. | Sources of error are not identified. |  |
| Conclusion (10 points) | The conclusion offers a clear summary of how the results support or refute the hypothesis. Good suggestions for improvement are clearly stated. | The conclusion offers a clear summary of how the results support or refute the hypothesis. Suggestions for improvement are satisfactory. | The conclusion fails to offer a clear summary of the result, but the suggestions for improvement are satisfactory. | The conclusion is not supported by the results. Suggestions for improvement are satisfactory. | The conclusion and suggested improvements are not appropriate for the results of the project. |  |